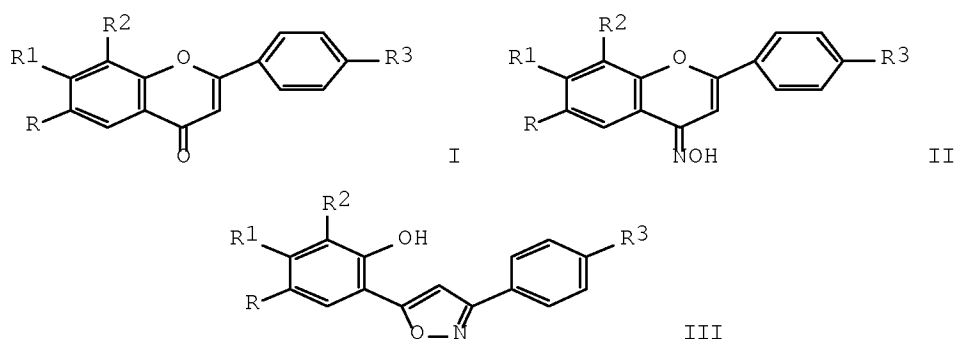
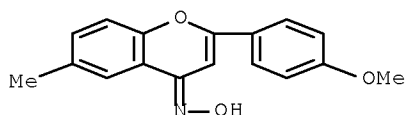


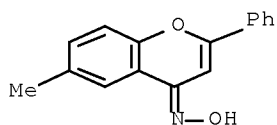
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 DOCUMENT NUMBER: 116:214399  
 ORIGINAL REFERENCE NO.: 116:36329a,36332a  
 TITLE: Benzo-γ-pyrones. Part XIV. Reaction of  
 C-substituted 2-phenyl-4H-1-benzopyran-4-ones with  
 hydroxylamine  
 AUTHOR(S): Basinski, Polish Journal of Chemistry (1991), 65(9-10),  
 1619-32  
 CORPORATE SOURCE: Fac. Pharm., Sch. Med., Lodz, 90151, Pol.  
 SOURCE: Polish Journal of Chemistry (1991), 65(9-10), 1619-32  
 CODEN: PJCHDQ; ISSN: 0137-5083  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 116:214399  
 GI



AB The reaction of flavones I (R, R1 = H, Me; R2 = H, Me, Br; R3 = H, MeO) with  
 hydroxylamine in anhydrous pyridine was investigated. The oximes II and  
 isoxazoles III were the products. It was determined that the ratio of II to  
 III is dependent on the nature of substituent and its position in the flavone  
 skeleton. It is postulated that the flavone is an ambient electrophile and  
 that the reaction course is characteristic for this class of compds.  
 IT 115663-23-5P 115663-26-8P 140885-78-5P  
 140885-79-6P 140885-80-9P 140885-81-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation, acetylation, IR, NMR, and mass spectrum of)  
 RN 115663-23-5 CAPLUS  
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 NAME)

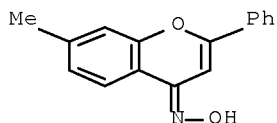


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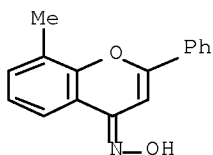
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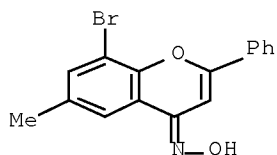
RN 140885-79-6 CAPLUS

CN 4H-1-Benzopyran-4-one, 8-methyl-2-phenyl-, oxime (CA INDEX NAME)



RN 140885-80-9 CAPLUS

CN 4H-1-Benzopyran-4-one, 8-bromo-6-methyl-2-phenyl-, oxime (CA INDEX NAME)



RN 140885-81-0 CAPLUS

CN 4H-1-Benzopyran-4-one, 8-bromo-2-(4-methoxyphenyl)-6-methyl-, oxime (CA INDEX NAME)

